

WHAT IS CLAIMED IS:

1. A breathable seat comprising:

a seat body formed of urethane foam and having
venting holes extending in the thickness direction of
the urethane foam;

a three-dimensional network cushion body
incorporated in that region of the seat body which
bears a user's body, having a three-dimensional
reticulated structure, in which a large number of
continuous linear elements of thermoplastic resin are
looped windingly so that the respective contact
portions thereof are fused together, and communicating
with the venting holes; and

a seat cover which has breathability and envelops
the seat body and the three-dimensional cushion body.

2. A breathable seat according to claim 1,
wherein the gas permeability of the seat cover is
10 cc/cm²/sec or more.

3. A breathable seat according to claim 1,
wherein the diameter of each continuous linear element
ranges from 0.1 to 1.0 mm.

4. A breathable seat according to claim 1,
wherein the gross sectional area of the venting holes
ranges from 1.8 to 76 cm², and the logarithmic
decrement of the seat determined by a free-fall damping
test ranges from 0.75 to 1.52.

5. A breathable seat according to claim 1,

wherein each said venting hole is provided with a check valve which restrains air from flowing from the three-dimensional network cushion body toward the lower end of the venting hole.

5 6. A breathable seat according to claim 1,
wherein an end portion of the three-dimensional network cushion body is buried in the seat body in a manner such that a bonded surface between the seat body and the cushion body is inclined at an angle of 90° or less
10 to an upper surface of the seat body at junctions between the seat body and the cushion body.

7. A breathable seat comprising:

 a seat body formed of urethane foam and having venting holes extending in the thickness direction of
15 the urethane foam;

 a three-dimensional network cushion body incorporated in that region of the seat body which bears a user's body, having a three-dimensional reticulated structure, in which a large number of
20 continuous linear elements of thermoplastic resin are looped windingly so that the respective contact portions thereof are fused together, and communicating with the venting holes;

 a seat cover which has breathability and envelops
25 the seat body and the three-dimensional cushion body;
and

 a pan frame which supports the seat body, the pan

frame having a bottom wall and a sidewall formed around the bottom wall, the bottom wall having a plurality of apertures corresponding to the venting holes in position.

5 8. A breathable seat according to claim 7, wherein the gross sectional area of the venting holes ranges from 1.8 to 76 cm², and the logarithmic decrement of the seat determined by a free-fall damping test ranges from 0.75 to 1.52.

10 9. A breathable seat according to claim 7, wherein each said venting hole is provided with a check valve which restrains air from flowing from the three-dimensional network cushion body toward the corresponding aperture.

15 10. A breathable seat according to claim 7, wherein an end portion of the three-dimensional network cushion body is buried in the seat body in a manner such that a bonded surface between the seat body and the cushion body is inclined at an angle of 90° or less
20 to an upper surface of the seat body at junctions between the seat body and the cushion body.